Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Wednesday 29 Dec 2021 until 23:59 on Thursday 30 Dec 2021

Forecast Issued on Wednesday 29 Dec 2021 at 03:54

Confidence: High confidence for a mild southwesterly airstream over the coming days with gales at times and a lot of low cloud at times around the hill tops, also feeling very mild for the New Year period. Lower confidence in forecasting details of rainfall amounts and timing of outbreaks of rain.

Headline for Wednesday 29 Dec 2021: Southerly gales, cloudy with heavy rain for a time, turning milder.

Mountain weather hazards on Wednesday 29 Dec 2021

Blizzards No Likelihood	**Heavy Snow** No Likelihood	**Storm force winds** No Likelihood
Gales High Likelihood	**Severe chill effect** Low Likelihood	**Poor visibility** Low Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Cloudy	Heavy Rain	Light rain	Sunny intervals	Partly cloudy (night)	Partly cloudy (night)
Precipitation probability					
30%	80%	80%	30%	20%	20%

Forecast for Wednesday 29 Dec 2021

Weather: Rain spreading east across the area after daybreak, rain will be heavy for a time and accompanied by widespread gales making for quite miserable conditions for a time. Rain will clear east during the afternoon and cloud will begin to clear up during the evening. Further clear spells will develop during the evening.

Chance of cloud free mountain/hill tops above 600m: 40% during the morning associated with the rain, improving to 70% by late afternoon as cloud clears after the rain.

Visibility: Visibility turning quite poor soon after daybreak as rain spreads across the area. General visibility will improve during the afternoon becoming very good. Low cloud will be broken during the morning from 400m and above gradually lifting and breaking during the afternoon, some patches of cloud around 600-700m by mid afternoon, mostly on western slopes but otherwise becoming clear.

Check our weather forecast every day to get the most accurate and up to date information
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Met Office Mountain Weather Forecast

Forecast for Wednesday 29 Dec 2021

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	18/25 S	29/39 SE	34/45 SW	35/48 W	30/40 W	29/39 SW	26/36 SW
300	14/24 SE	24/36 SE	25/36 SW	24/36 W	17/27 W	19/30 SW	17/29 SW
Valley	7/20 SE	14/32 SE	15/34 SW	17/35 W	13/28 W	11/28 SW	10/26 SW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	6/1	6/-0	9/4	8/2	6/0	5/-0	7/2
300	6/2	7/2	11/7	10/6	9/5	8/4	9/5
Valley	6/3	7/4	11/8	11/8	9/6	8/5	8/6
Freezing Level*	2400m	2700m	2400m	1700m	1400m	1700m	2000m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Noticeable windchill during the morning in gales or severe gales and rain, milder air will spread across the area during the afternoon with winds easing slightly but still feeling cool until winds ease significantly overnight.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Wed 29 Dec 2021	4.4mm	10.4mm	10.4mm

Forecast for Thursday 30 Dec 2021

Weather: Outbreaks of rain are expected during the morning especially around southwestern hills. It will become drier and brighter for more northeasterly hills. Further outbreaks of rain will spread north during the evening. A lot of lower cloud expected in the milder airstream.

Maximum wind: Southwesterly 20-30mph with gusts 30-35mph.

Chance of cloud free mountain/hill tops above 600m: 40-50% a lot of the lower cloud will be confined to southwesterly areas with some clear tops around the north of the area. It will be hard to define the clearest time of day but perhaps the afternoon.

Visibility: Moderate or poor in early outbreaks of rain, becoming mainly good during the afternoon especially in the north. Cloud bases will be broken around 400m, perhaps more scattered around 500m in the north.

Temperature: **Valleys:** Plus 13 Celsius.
At 600m: Plus 9 Celsius.
Freezing level: Above the summits.

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